- 1. A solar cell comprising:
- (a) an illuminable semiconductor element having a top surface portion of a first conductivity type, said top surface having two adjacent edges forming a corner;

(b) a reverse surface portion of opposite conductivity type, forming with said top surface portion a p-n

iunction:

(c) a low resistivity electrically conducting electrode strip directly bonded to said two adjacent edges of said top surface, said strip extending along the length of said edges from said corner at least one-half the length of said adjacent sides, thereby defining a Vshape congruent with said corner; and

(d) an electrically conductive area on the reverse surface adjacent a different corner thereof.

- 2. A solar cell according to claim 1 whose electrically conductive area is at an opposite corner from said strip and extends more than half the distance of each side from the corner.
- 3. A solar cell according to claim 1 and comprises on the back side thereof a coating consisting essentially of a material of the class of colloidal carbon, black paint or metallic black.
- 4. A photovoltaic generator comprising in combina- 25

(a) a plurality of solar cells as defined in claim 1;

- (b) the solar cells being arranged with the top surfaces thereof facing a common direction to receive radiation, and the cells being physically and electri- 30 cally attached to each other at the their respective conductive strip and area with the conductive strip portion on each side of the corner of one cell each being attached to the conductive area of another cell, and the conductive area of one cell being at- 35 ALLEN B. CURTIS, Primary Examiner. tached to conductive strip of two other cells.
- 5. A photovoltaic generator according to claim 4 in which the solar cells thereof are of the triangle shape.

6. A photovoltaic generator according to claim 4 in which the solar cells thereof are of the diamond shape.

7. A photovoltaic generator according to claim 4 in which the solar cells thereof are of the hexagonal shape.

8. A photovoltaic generator as defined in claim 1 and comprising a thermally emissive coating on the back side of said solar cells.

9. A photovoltaic generator according to claim 8 wherein the thermally emissive coating comprises essentially a material of the class consisting of colloidal carbon, black paint or metallic black.

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